

**Current Address**  
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**EDUCATION**

**Brandeis University**, Waltham, MA  
MA Computer Science, December 2014, GPA 3.75, Merit Scholarship

**Earlham College**, Richmond, IN  
BA Mathematics, May 2012, GPA 3.63

**COMPUTER SKILLS**

**Languages:** Java, Javascript(JQuery and NodeJS), PHP, Python, HTML5, CSS3  
**Databases:** MySQL, PostgreSQL, MongoDB  
**MVCs:** SailsJS, Django  
**Frameworks:** Hadoop  
**Version Control:** Git, Subversion

**EXPERIENCE**

**Web Developer - Front-End and Back-End** Jan 2014 to Present  
Self Employed, Waltham, MA

- Develop websites and web apps using SailsJS(MVC), Wordpress, Javascript, PHP, Twitter Bootstrap, HTML5, and CSS3.
  - PHP, Javascript, and MySQL - [www.heavythenlight.com](http://www.heavythenlight.com)
  - Wordpress - <http://johnsonservicecorps.org>, <http://hgarchives.org/>
  - SailsJS and MongoDB - Web application, NextUp - not online
  - Front-End Development with Template - [www.golunchbox.club](http://www.golunchbox.club)

**Software Engineer** Summer 2014  
UNC Chapel Hill, Computer Science Department, Chapel Hill, NC

- Developed an interactive teaching tool using MongoDB and SailsJS - an MVC written in NodeJS and Javascript.

**Contracted Staff** Summers 2013-2014  
**Paid Intern** Summers 2011-2012

Shodor Foundation (for computational science education), Durham, NC

- Wrote automated testing scripts for interactive online applications using Selenium Driver and Selenium JS.
- Organized and co-taught workshops for professionals and students in Javascript and iPhone programming, and computer modeling.

**Training Program Administrator** Aug 2012 to June 2013  
Durham Economic Resource Center, Durham, NC

- Supervised trainees in a job-training program for the chronically unemployed.
- Maintained a database and related documentation of trainees' progress.

**GRADUATE COURSE WORK**

**Statistics of Natural Language Processing** (Fall 2014):  
Implemented a multinomial Naive Bayes classifier in Python

**Big Data Analysis** (Fall 2014)  
Created inverted indices of the tokens in 46GB of Wikipedia articles using Hadoop Mapreduce.

**Distributed Systems**(Spring 2014)  
Implemented fault tolerant distributed system algorithms including the Primary/Backup scheme and Paxos in Go.

**Databases**(Spring 2014)  
Implemented search, insertion, and deletion for B+ trees in Java.